



RATINGS

Style	LT4
Grade	1
Class	B
Temperature rise	35° C
Ambient temperature	90° C
Operating temperature	-55° to +125° C
Dielectric withstanding Voltage (sea level)	1000 volts rms for a minimum of 60 sec.
Dielectric withstanding Voltage (reduced barometric pressure)	200 volts rms for a minimum of 60 sec.
Terminal pull	5 pounds
Altitude	70,000 feet
Weight	3.9 grams max.

Ltr	Dimensions in inches with metric equivalents (mm) in parentheses	
	Minimum	Maximum
A	.250 (6.35)	.313 (7.95)
B	.875 (22.23)	1.000 (25.40)
C	1.250 (31.75)	1.625 (41.28)
D	.026 (.66)	.030 (.76)

ELECTRICAL CHARACTERISTICS (INITIAL)

Dash No. 1	Type designation	Former type designation	Former MS part No.	$\pm 10\%$ Inductance	Q, min.	Test frequency	Self-resonant frequency, Min.	DC resistance Max.	Rated DC current
2/				μ H		MHz	MHz	Ohms	Ma
-14	LT4K002	LT8K001	MS91189-1	1.2	60	7.9	170	0.075	2,400
-15	LT4K003	---	---	1.5	60	7.9	160	0.090	2,150
-16	LT4K004	---	---	1.8	60	7.9	140	0.135	1,750
-17	LT4K005	LT8K002	MS91189-2	2.2	60	7.9	123	0.160	1,600
-18	LT4K006	---	---	2.7	60	7.9	113	0.220	1,350
-19	LT4K007	LT8K003	MS91189-3	3.3	60	7.9	100	0.305	1,150
-20	LT4K008	---	---	3.9	60	7.9	95	0.450	935
-21	LT4K009	LT8K004	MS91189-4	4.7	60	7.9	90	0.560	860
-22	LT4K010	---	---	5.6	60	7.9	80	0.745	745
-23	LT4K011	LT8K005	MS91189-5	6.8	60	7.9	75	1.05	535
-24	LT4K012	---	---	8.2	60	7.9	68	1.40	550
-25	LT4K013	LT8K006	MS91189-6	10.0	60	7.9	60	1.90	460
-26	LT4K014	---	---	12.0	40	2.5	53	2.65	395
-27	LT4K015	LT8K007	MS91189-7	15.0	40	2.5	50	3.25	355
-28	LT4K016	---	---	18.0	40	2.5	45	4.15	315

1/ The dash number added to the MS military-standard number constitutes the MS part number, for example, MS91189-14.

2/ See note 11.

Ⓓ denotes changes

P.A. ARMY-EL	International interest	TITLE Coils, Radiofrequency, Molded, Fixed, Subminiature (Phenolic core) Types LT4K002 to LT4K016 incl.	MILITARY STANDARD
Other CustAF-80			MS 91189
NAVY-EC			
Procurement Specification MIL-C-15305		SUPERSEDES:	SHEET 1 OF 2

DD FORM 672 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5950-0446

User activities: Army WC,SL,MU
Navy AS,SH,MC,OS
Air Force 19

Reviewer activities: Army M1,SL
Navy
Air Force 11,17,80
DSA-ES

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

APPROVED 15 DEC 53 REVISED Ⓐ 18 OCT 62 Ⓑ 25 MAR 63 Ⓒ 14 MAR 72 Ⓓ 31 OCT 72

Reviewer activities: Army MI, SL
Navy
Air Force II, I7, 80
DSA - ES

User activities: Army WC, SL, MU
Navy AS, SH, MC, OS
Air Force 19

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

Electrical Characteristics (Final)				
Inspection Group	Allowable variation from initial measurement		Allowable % from specified minimum value in Electrical Characteristics (initial) table	
Qualification Inspection	Inductance	DC resistance	Self-resonant frequency	Q
	Percent			
Group II	± 2	--	--	- 10
Group III	± 5	± (3%+ .001ohm)	- 8	- 10
Group IV	± 5	± (2%+ .001ohm)	- 10	- 15
Quality Conformance Inspection				
Group C				
Subgroup I	± 2	--	--	- 10
Subgroup II	± 5	± (2%+ .001ohm)	- 10	- 15
Subgroup III	± 5	± (3%+ .001ohm)	- 8	- 10

NOTES:

- Dimensions are in inches.
- Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
- These coils are intended to be mounted by the body.
- The polarizing voltage during the moisture-resistance tests is applied with the positive lead connected to the coil terminals tied together, and the negative lead connected to the metal strap.
- Terminal strength (Pull) test, is not applicable in "Group B" inspection Table VI.
- Solderable/weldable lead wire, #21 AWG.
- Barometric pressure test (test condition C) is applicable.
- Shock, specified pulse, method 213, test condition I, is applicable.
- Referenced document shall be the issue in effect on date of invitation for bid.
- This standard takes precedence over the procurement specification referenced herein.

- ① 11. Former MS part numbers MS91189-29 thru MS91189-38 have been superseded by MS75103-1 thru MS75103-10, respectively.

P.A. ARMY-EL Other Cust AF-80 NAVY-EC	International interest	TITLE Coils, Radiofrequency, Molded, Fixed, Subminiature (Phenolic core) Types LT4K002 to LT4K016 incl.	MILITARY STANDARD
Procurement Specification MIL-C-15305		SUPERSEDES:	MS 91189
			SHEET 2 OF 2

DD FORM 672
1 SEP 63

(Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

5950-0446